Illinois Broadband Advisory Council

Regular Meeting | September 15, 2021

BROADBAND ADVISORY COUNCIL

MEETING AGENDA

- Call to Order
- Introductory Remarks from the Chair
- Approval of Minutes
- Federal Updates
- Office of Broadband Updates
  - Connect Illinois Grant Program
  - Digital Equity Programming + Collaboration
    - Illinois Connected Communities
    - Computer Equity Network | Andrea Lindsay, PCs for People
    - Heartland Forward | Abby Ottenhoff
    - Broadband READY
  - Illinois Broadband Lab
- Working Groups
  - Digital Equity & Inclusion | Amy Huffman, National Digital Inclusion Alliance
  - Smart Cities | Denise Linn Riedl, City of South Bend, IN
  - Rural Innovation | Matt Dunne, Center on Rural Innovation
- Public Comment
- Next Meeting – December 8, 2021

Governor Pritzker is committed to establishing Illinois as a leader when it comes to technology and innovation. Access to broadband is a critical component of staying ahead of the curve and will improve the lives of families, entrepreneurs, farmers and other Illinoisans who rely on high-speed broadband for everything from healthcare to education.

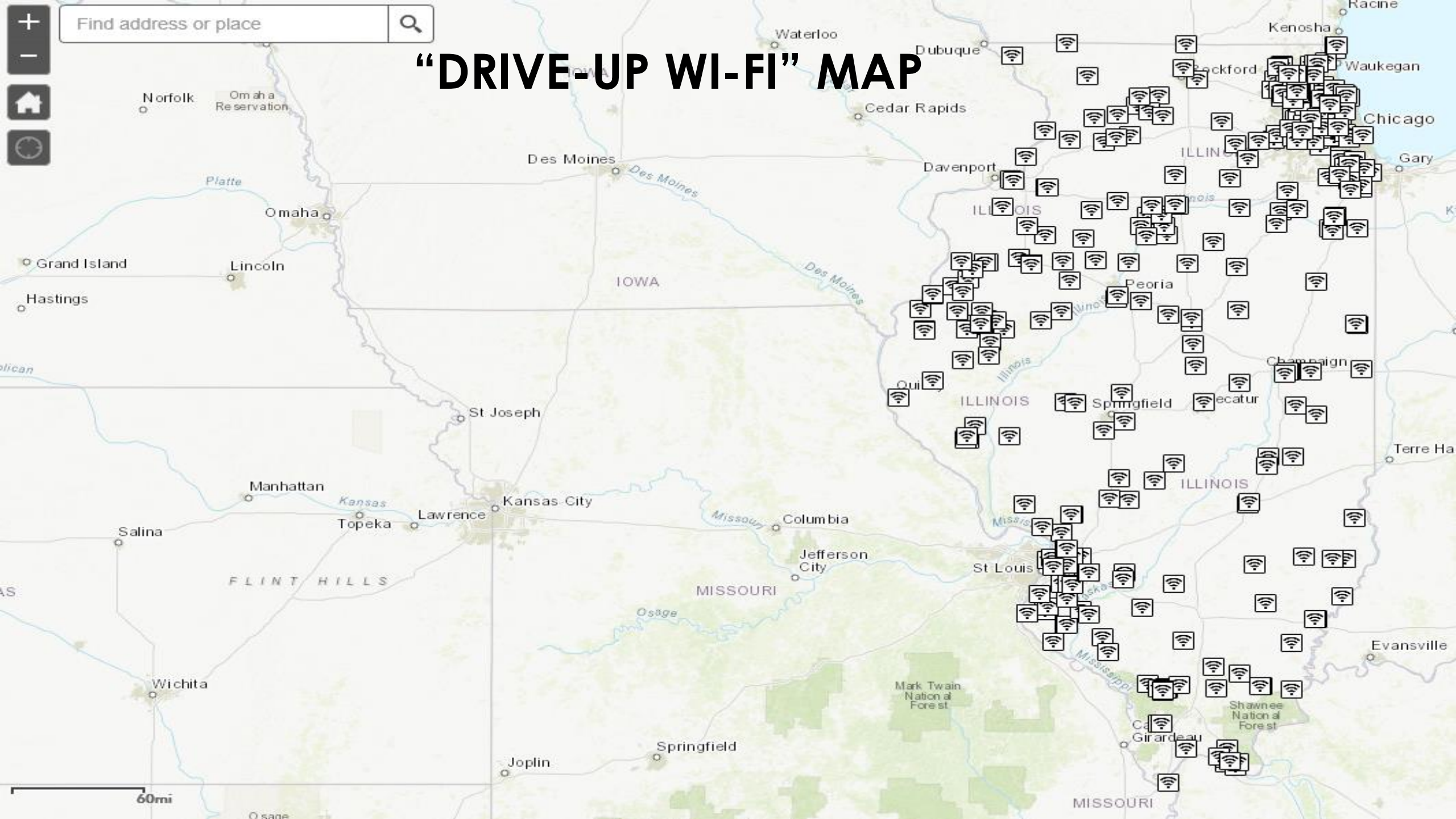
Governor Pritzker launched a statewide initiative in August 2019, Connect Illinois, to expand broadband access across the entire state. Connect Illinois includes a capital investment from Rebuild Illinois, the creation of a Broadband Advisory Council and Broadband Office, and a new program that will provide all Illinois public K-12 students access to high-speed broadband at no charge. The initiative also includes a $400 million broadband grant program and a $20 million capital program for the Illinois Century Network, a high-speed broadband network serving K-12 and higher education institutions, among others.

HOME
- Connect Illinois
- Low-Cost Broadband
- Computer Equity Network
- Making Connections
- Federal Broadband
- Strategic Plan
- Newsletter

MAPS AND DATA
- Drive-Up Wi-Fi Map
- Interactive Map
- Illinois Century Network

DIGITAL EQUITY GRANTS
- Communities Rd 1
- Communities NOFO

“DRIVE-UP WI-FI” MAP



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The first round of funding was announced in June 2020. The second funding round is accepting applications until April 12, 2021.

Illinois Broadband Grant Program

Rebuild Illinois, the Illinois infrastructure program, includes $400 million to the Department of Commerce and Economic Opportunity for a statewide broadband deployment grant program. This appropriation will begin to expand access to reliable, high-speed internet service statewide. According to the USDA, fully utilizing digital technologies within the agriculture industry could create approximately $47 to $65 billion annually in additional gross benefit for the U.S. economy.

Illinois Century Network

Rebuild Illinois includes $20 million for the Illinois Century Network (ICN), to repair and expand the broadband network for schools, refresh aged components of the network and expand the existing network, with a focus on the K-12 portion.

MAPS AND DATA
- Drive-Up Wi-Fi Map
- Interactive Map
- Illinois Century Network

DIGITAL EQUITY GRANTS
- Communities Rd 1
- Communities NOCO
- Navigator NOCO
- Webinar

BROADBAND GRANTS
- Grant Eligibility Map
- Mapping Review
- Rd 1 Map
- Rd 1 Summaries
- Fedcelerator Framework
- Webinar

FEDERAL BROADBAND FUNDING
OVERVIEW

- Federal Funding
  - Infrastructure + Jobs Act
  - American Rescue Plan Act
  - Consolidated Appropriations Act

FEDERAL BROADBAND FUNDING
OVERVIEW

Consolidated Appropriations Act

- $7B for broadband
- Emergency Broadband Benefit (FCC)
- Broadband Infrastructure Program (NTIA)
- Connecting Minority Communities Pilot Program (NTIA)

FEDERAL BROADBAND FUNDING
CONSOLIDATED APPROPRIATIONS ACT

Emergency Broadband Benefit Program (FCC) - $3.2B

- Temporary, emergency broadband benefit to aid low-income Americans access broadband.
- Up to $50 monthly subsidy for broadband subscription.
- Up to $100 one-time subsidy for a low-cost device such as a computer, laptop, or tablet.
- Program expires six months after COVID-19 pandemic passes or funding expires.
- Participation is voluntary for broadband providers.
- Similar but expanded eligibility requirements to Lifeline; Pell grant recipient, free and reduced lunch, layoff/furlough, Lifeline National Verifier/NLAD, or qualifies for an existing privately-funded low-income program.

FEDERAL BROADBAND FUNDING
CONSOLIDATED APPROPRIATIONS ACT

Broadband Infrastructure Development Grants (NTIA) - $288M

- Broadband infrastructure projects in primarily rural areas that do not conflict with areas already funded through other state and federal sources.
- Eligible applicants are partnerships between state or political subdivision and fixed broadband providers.
- Coordinate with Illinois Office of Broadband
- Project must be completed within twelve months (some exceptions).
- State of Illinois submitted a “covered partnership” application in August
  - $29M grant + $29M Connect Illinois match + $6M local provider contribution = $65M total investment

FEDERAL BROADBAND FUNDING
CONSOLIDATED APPROPRIATIONS ACT

Connecting Minority Communities Pilot Program (NTIA) - $285M

- Establishes an Office of Minority Broadband Initiatives to expand access to broadband internet access and digital opportunities in HBCU communities & Hispanic-serving institutions.
- Promote initiatives for broadband access and digital opportunities for anchor communities and develop recommendations to rapidly expand deployment of broadband to unserved minority-serving institutions and anchor communities.
- Funding will support HBCUs and other minority-serving education institutions, including partnerships with minority-owned businesses, to expand broadband capacity and use at the school and in the surrounding community, including by assisting students to afford broadband service.
- NOFO is posted
- Applications due November 2021

FEDERAL BROADBAND FUNDING

AMERICAN RESCUE PLAN ACT

American Rescue Plan Act

- $170B to K-12 schools, colleges & universities
  - reopen & operate safely
  - facilitate remote learning
- $7.2B for Emergency Connectivity Fund + E-Rate Expansion (FCC)
- $3.4B Community Development Block Grants (HUD)
- $10B for Capital Projects Fund (Treasury)
  - Block grant program for states
  - $254M for Illinois
- Coronavirus State + Local Fiscal Recovery Fund (Treasury)
  - $195B to states
  - $65B to counties
  - $46B to metro cities
  - $20B to local governments

FEDERAL BROADBAND FUNDING
INFRASTRUCTURE INVESTMENT + JOBS ACT

Infrastructure Investment + Jobs Act (Pending)

- $65B for broadband
- Four complementary components:
  - Infrastructure | appropriation to states ($42.5B)
  - Affordability | $30/mo subsidy program ($14.25B)
  - Universal service | recommitment to access and adoption
  - Digital inclusion and equity | training and literacy funding ($2.75B)
- Broadband an eligible expense under the larger $350B for state and local governments

ILLINOIS OFFICE OF BROADBAND
PROGRAMMING

Infrastructure

- Connect Illinois Broadband Grant Program

Digital Equity | Programming + Collaboration

- Illinois Connected Communities
- Broadband READY (Regional Engagement for Adoption + Digital Equity)
- Connect Illinois Computer Equity Network
- Heartland Forward | EBB Awareness + Illinois Connection Corps …

CONNECT ILLINOIS GRANTS
ROUND 3 NOFO

Program Summary
- Grant to support broadband infrastructure that meets or exceeds state goals

Grant Amount
- Up to $10M; $350M available statewide

Four Categories
- Broadband Access
- Broadband Innovation
- Urban Broadband

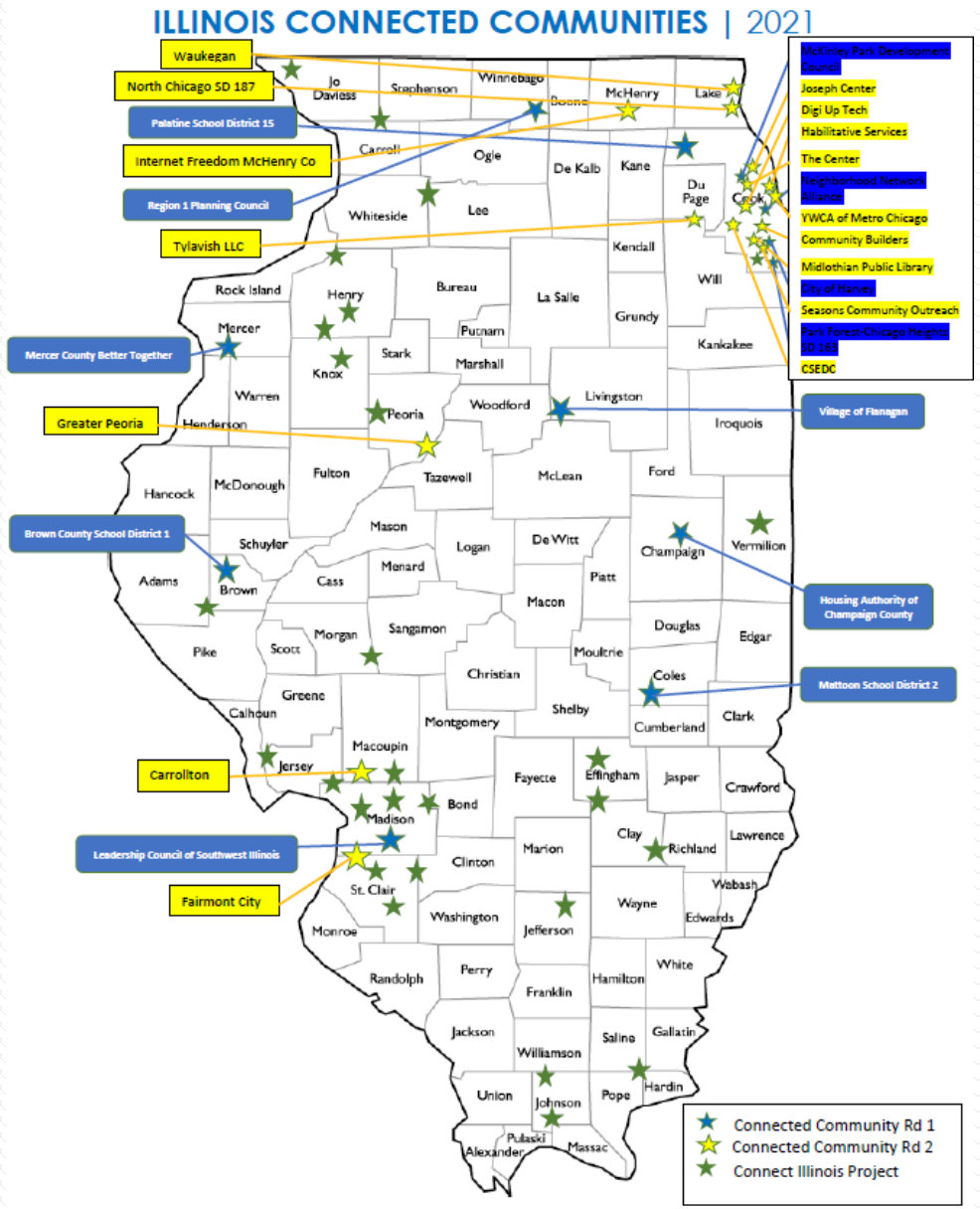
Application Deadline
- Rolling review + grant awards

CONNECT ILLINOIS DIGITAL EQUITY

ILLINOIS CONNECTED COMMUNITIES

- Local Broadband Planning + Capacity Building
- Program Summary
  - Broadband Steering Committee
  - Digital Divide Elimination Plans | access, adoption + utilization
  - 50 hrs of consultant/facilitator time; best practice curriculum
- Grant Amount
  - Up to $15,000 per community
- Application Deadline
  - Rd 3 NOFO coming Winter 2021-22

ILLINOIS CONNECTED COMMUNITIES



- Partnership among the Illinois Office of Broadband, the Benton Institute for Broadband & Society, and local philanthropy. Designed to engage a first-year cohort of communities through best practice curriculum and expert consultation.

- The initial cohort includes four school districts, two community-based organizations, two local governments, two county-level organizations, and two economic development groups:

ROUND 1

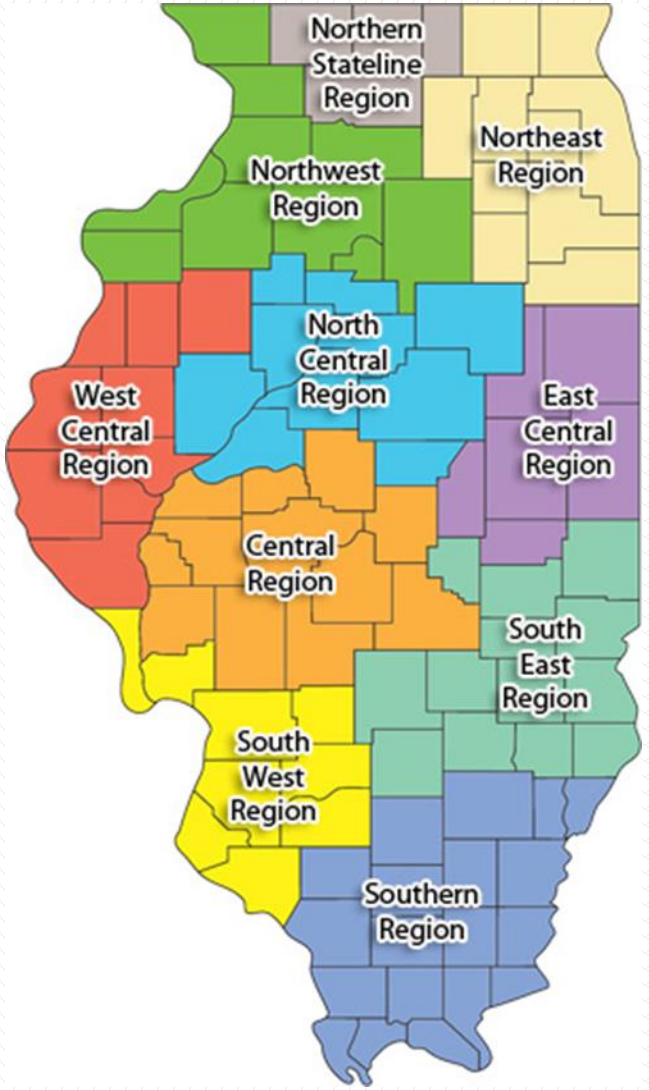
- Brown County School District 1
- City of Harvey
- Housing Authority of Champaign County
- Leadership Council Southwestern Illinois
- Mattoon School District 2
- McKinley Park Development Council
- Mercer County Better Together
- Neighborhood Network Alliance
- Palatine School District 15
- Park Forest-Chicago Heights School District 163
- Region 1 Planning Council
- Village of Flanagan

ROUND 2

- City of Carrollton
- City of Waukegan
- Community Builders (Chicago)
- Fairmont City
- Greater Peoria Economic Development Council (Tazewell County)
- Internet Freedom for McHenry County
- North Chicago CUSD 187
- The Center: Resources for Teaching and Learning/Latinx Digital Leaders Now (DLN)

CONNECT ILLINOIS DIGITAL EQUITY
BROADBAND READY PROGRAM

- Regional Engagement for Adoption + Digital Equity (READY)
- Program Summary
  - Drive broadband collaboration for engagement, evaluation, planning, and progress at regional level
  - Align local and regional efforts toward shared goals in broadband access, adoption, and utilization
  - Promote immediate community technology expansion
  - Integrate programming + identify best practices, key digital indicators
- Grant Amount
  - Up to $50,000 per region
- Project Timeline
  - 1st Cohort: 2021
  - 2nd Cohort: 2022 | NOFO posted through Oct 3, 2021

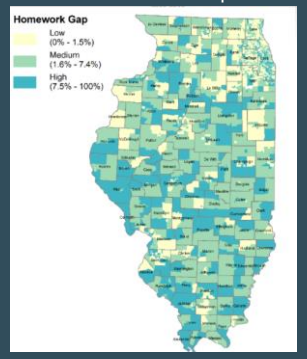


Broadband READY
Statewide Snapshot

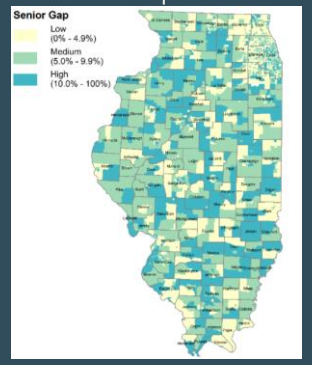
Digital Indicator
2021 DASHBOARD

DIGITAL DEMOGRAPHICS

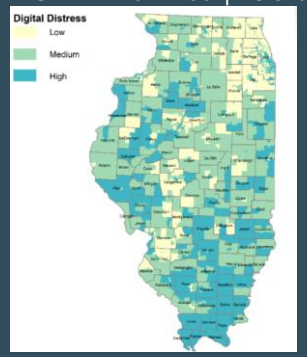
HOMEWORK GAP | 6.1%



SENIOR GAP | 7.7%



DIGITAL DISTRESS | 18.5%



ACCESS + AVAILABILITY

93.6% HH>25/3 Mbps **83.3%**

Statewide | ---------- | Rural

90.0% HH>100/20 Mbps **73.1%**

CONNECTIVITY	%
CONNECTED WITH DEVICE	72
FULLY DISCONNECTED	14
INTERNET INSUFFICIENT	10
DEVICE DEFICIENT	4

Avg Download (Mbps)

127.2

UNSERVED HOUSEHOLDS (<25/3 MBPS)

54.2% — 2,638,735
Microsoft Speed Test Data

22.3% — 1,085,098
M-Lab Speed Test Data

6.4% — 311,767
Illinois Mapping Data

ADOPTION + AFFORDABILITY

TECHNOLOGY	%
BROADBAND SERVICE	86.0
CELLULAR SERVICE	77.5
WIRELINE SERVICE	70.4
SATELITE SERVICE	6.4

DEVICES AT HOME	%
AT LEAST 1 DEVICE	92.1
DESKTOP OF LAPTOP	77.0
SMARTPHONE	86.3
ONLY SMARTPHONE	9.6
TABLET	21.8
NO DESKTOP OR LAPTOP	24.4

UTILIZATION

K-12 INSTRUCTION	%
HYBRID	53
REMOTE	30
IN-PERSON	15
OTHER	3

87.8%
Students with District-provided devices

XXX,XXX
Virtual Interactions

PROGRAM IMPACT

INFRASTRUCTURE EXPANSION

ALL NEW CONNECTIONS	XX,XXX
via CONNECT ILLINOIS	X,XXX
via FEDERAL FUNDING	X,XXX
via LOCAL FUNDING	X,XXX

PUBLIC WI-FI

TOTAL SITES	XXX
NEW SITES	XX

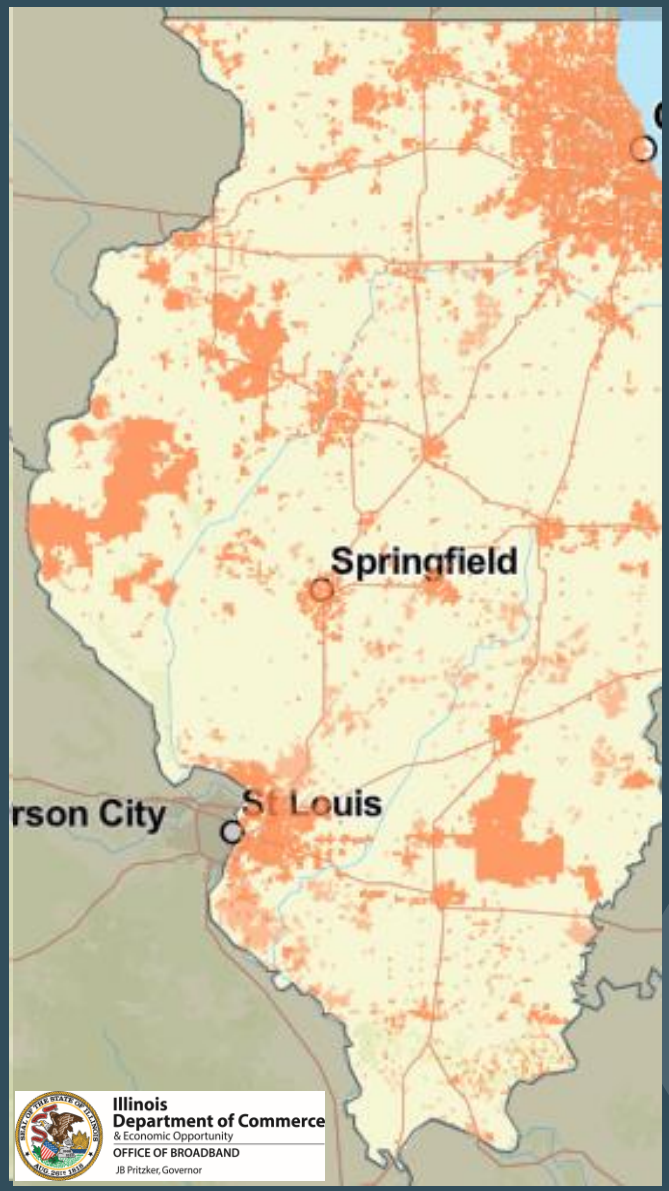
COMPUTER EQUITY NETWORK

TOTAL USED COMPUTERS SOURCED	XX,XXX
PRIVATE SECTOR	XX,XXX
PUBLIC SECTOR	XX,XXX
USED COMPUTERS REDISTRIBUTED	XX,XXX

DIGITAL NAVIGATORS

COMMUNITIES	XX
ORGANIZATIONS	XX
NAVIGATORS	XXX
ILLINOISANS	X,XXX

SERVED, >100/20 MBPS WIRELINE

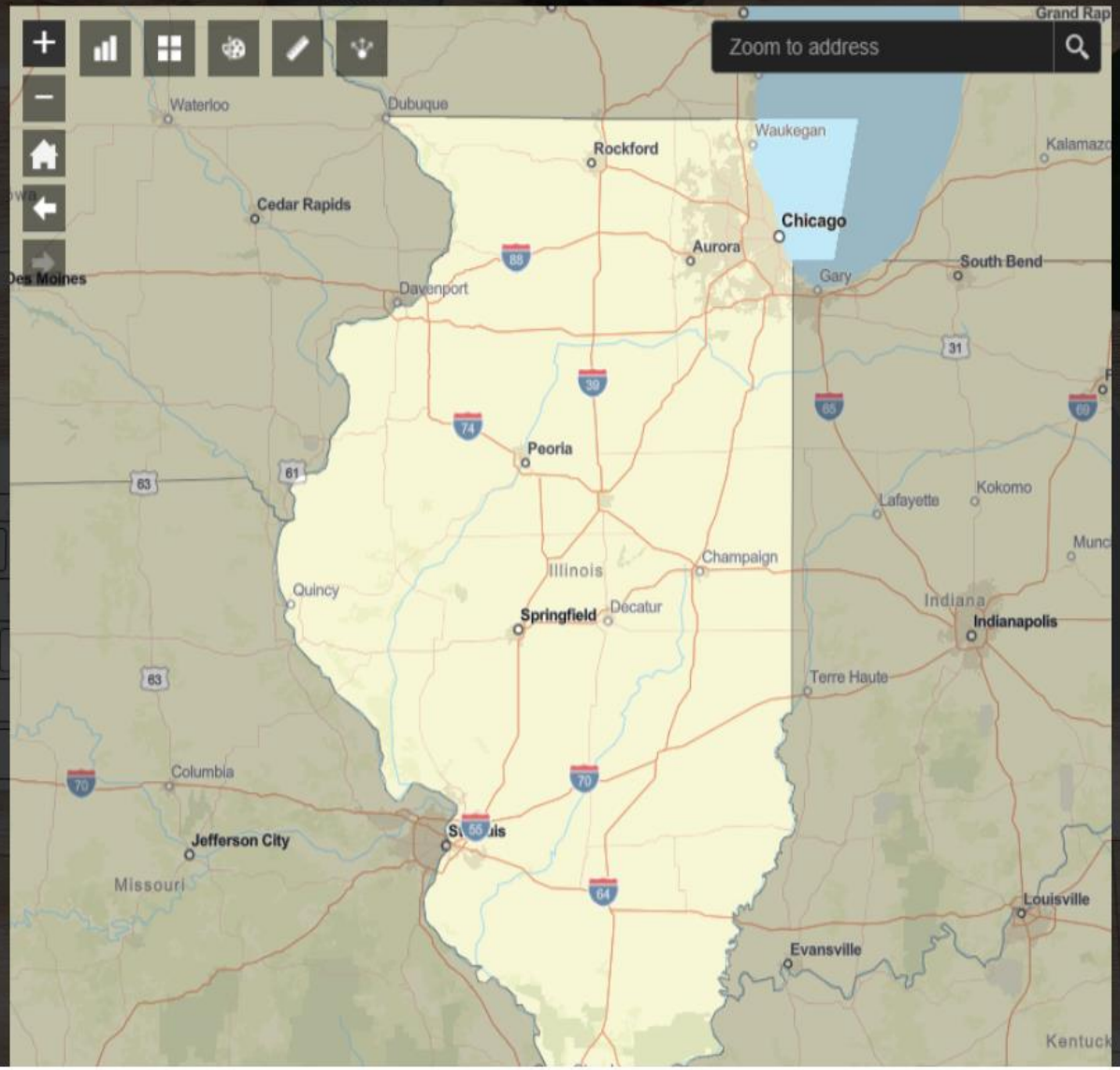


Illinois Department of Commerce & Economic Opportunity
OFFICE OF BROADBAND
JB Pritzker, Governor

ILLINOIS BROADBAND LAB

Collaboration on broadband data, mapping, research, and publication driven by the Illinois Office of Broadband, University of Illinois at Urbana-Champaign, University of Chicago, and Benton Institute for Broadband & Society

EXPLORE ILLINOIS BROADBAND



The Illinois Broadband Map

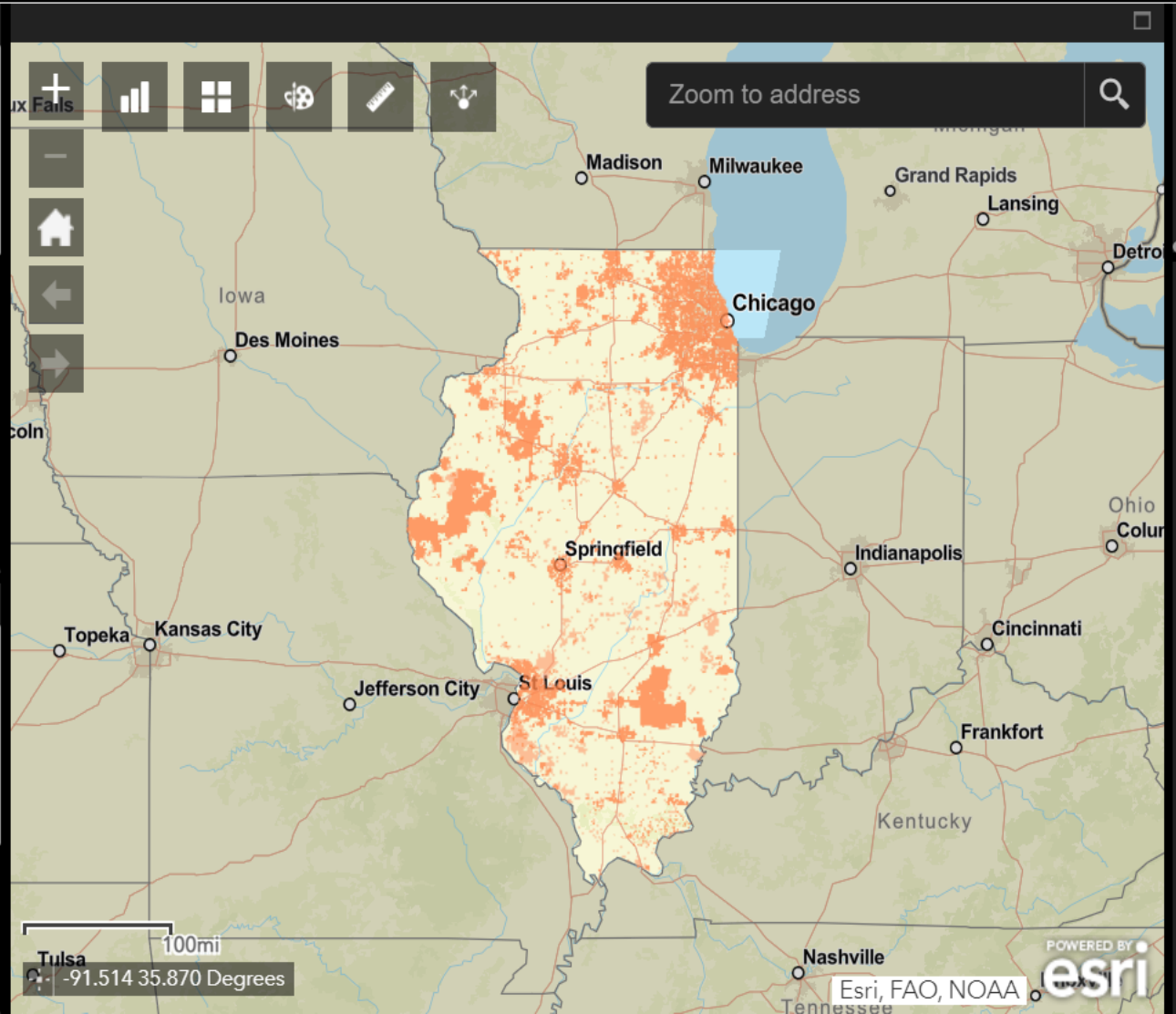
Published April 19, 2021. Please provide feedback here.

ACCESS STATISTICS

- [ ] 1 Gbps Download/1 Gbps Upload (Wireline)
- [ ] 1 Gbps Download/1 Gbps Upload (All Fixed)
- [x] 100 Mbps Download/20 Mbps Upload (Wireline)
- [ ] 100 Mbps Download/20 Mbps Upload (All Fixed)
- [x] 25 Mbps Download/3 Mbps Upload (Wireline)
- [ ] 25 Mbps Download/3 Mbps Upload (All Fixed)

GENERAL FEDERAL

- [ ] Schools K-12
- [ ] Libraries
- [ ] Healthcare Facilities
- [ ] Public Safety Facilities



Info-General Info-Federal Funding

Illinois Department of Commerce & Economic Opportunity
OFFICE OF BROADBAND
JB Pritzker, Governor

Legend Query/Locate

100 Mbps Download/20 Mbps Upload (Wireline)

25 Mbps Download/3 Mbps Upload (Wireline)

Broadband (25M/3M-wireline)

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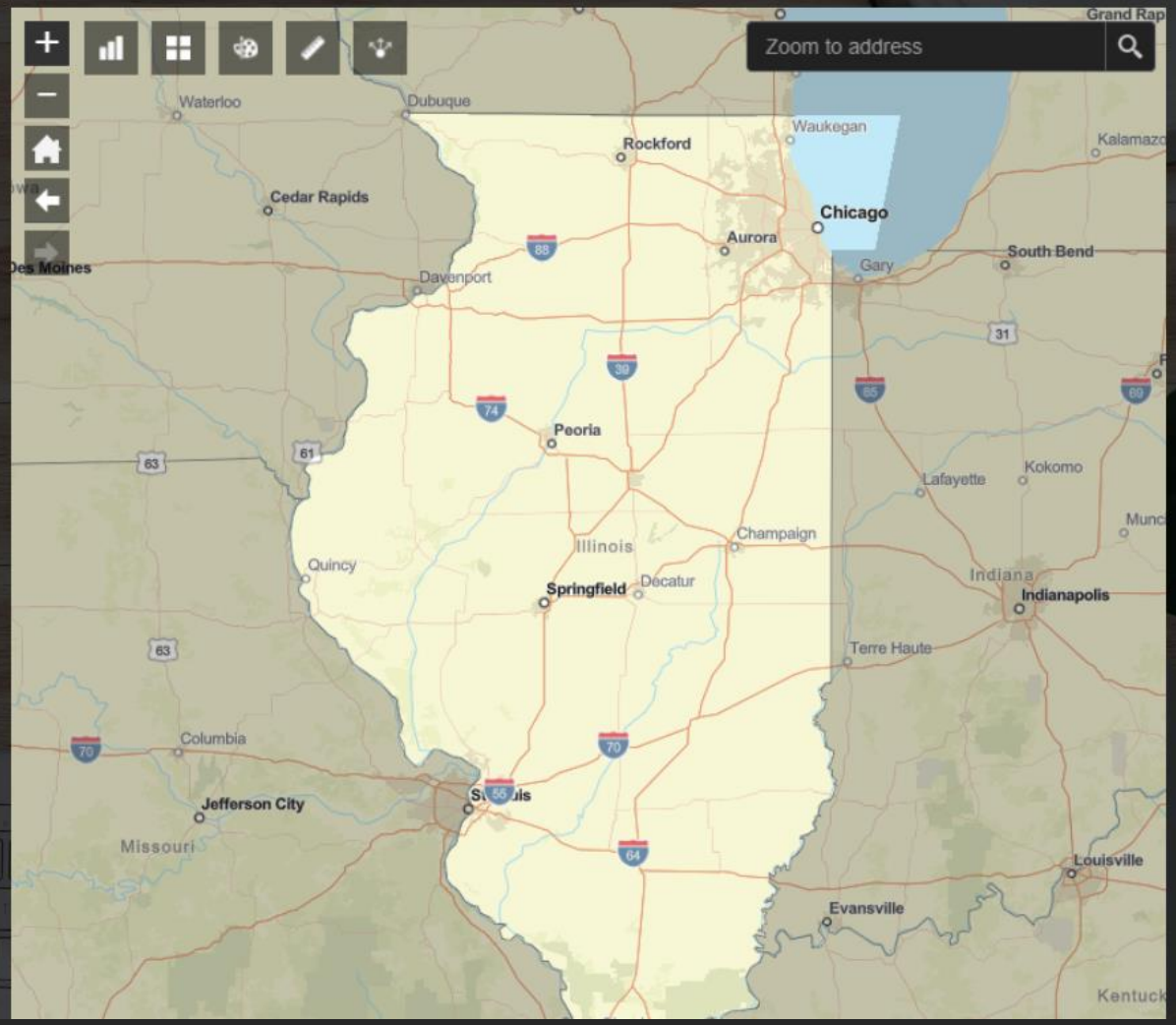
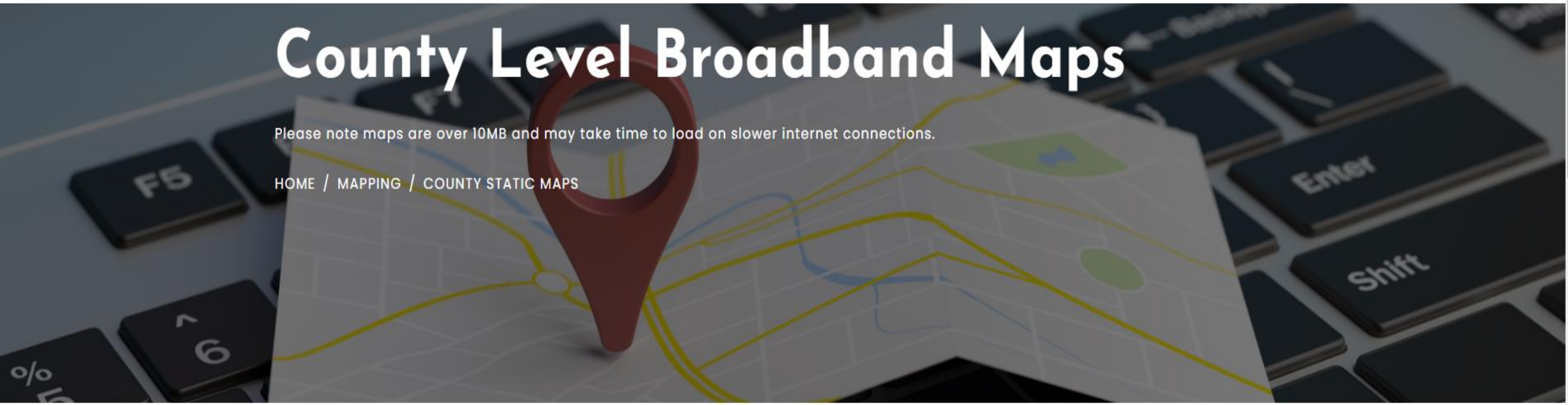
EXPLORE ILLINOIS BROADBAND





County Level Broadband Maps

Please note maps are over 10MB and may take time to load on slower internet connections.

First Previous Next Last

Adams

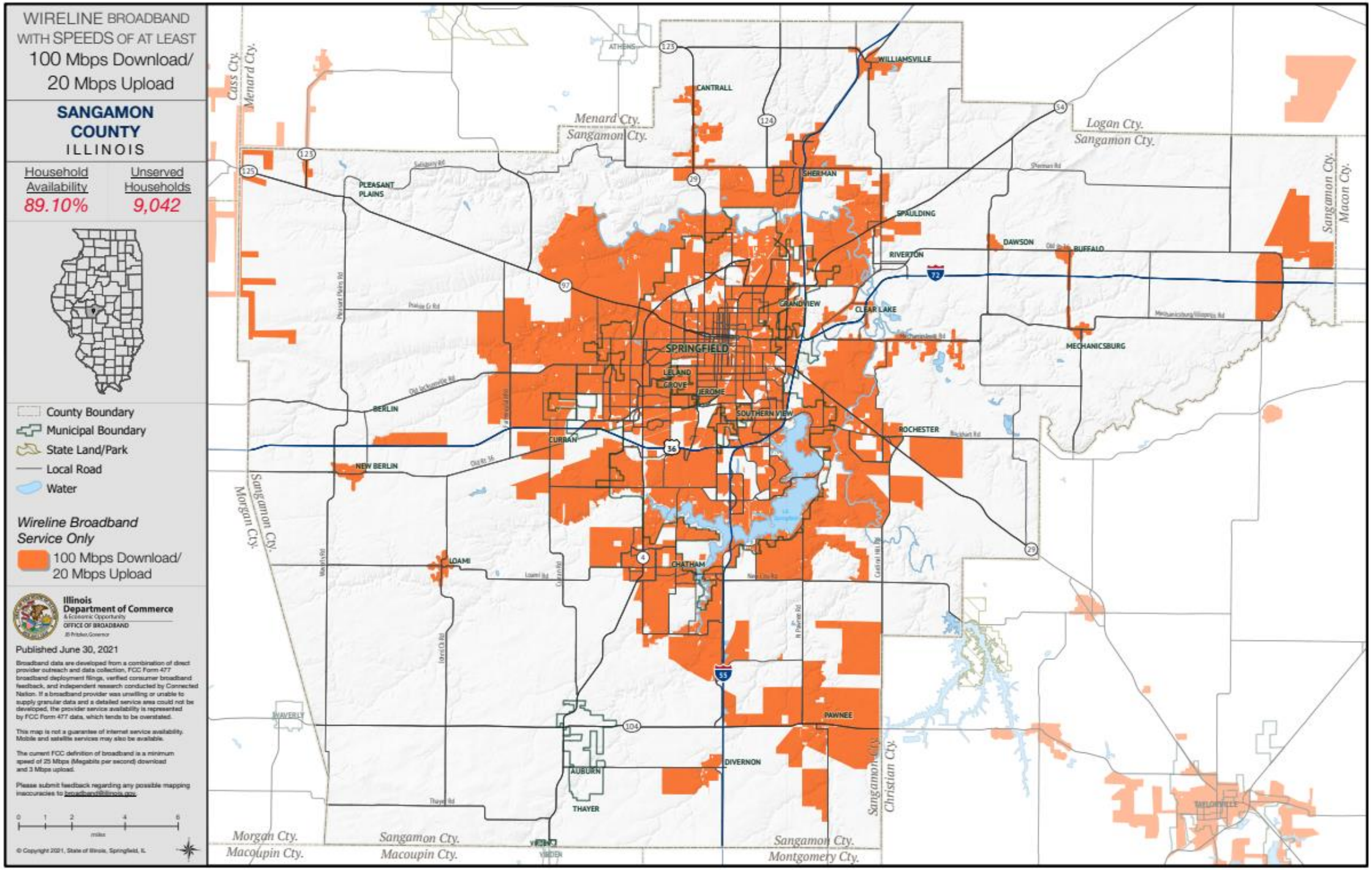
25M Down 3M Up

Alexander

25M Down 3M Up

Bond

25M Down 3M Up


WIRELINE BROADBAND WITH SPEEDS OF AT LEAST
100 Mbps Download/
20 Mbps Upload
SANGAMON COUNTY
ILLINOIS
Household Availability
89.10%
Unserved Households
9,042
County Boundary
Municipal Boundary
State Land/Park
Local Road
Water
Wireline Broadband Service Only
100 Mbps Download/
20 Mbps Upload
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Published June 30, 2021
Broadband data are developed from a combination of direct provider outreach and data collection, FCC Form 477 broadband deployment filings, verified consumer broadband feedback, and independent research conducted by Connected Nation. If a broadband provider was unwilling or unable to supply granular data and a detailed service area could not be developed, the provider service availability is represented by FCC Form 477 data, which tends to be overstated.
This map is not a guarantee of internet service availability. Mobile and satellite services may also be available.
The current FCC definition of broadband is a minimum speed of 25 Mbps (Megabits per second) download and 3 Mbps upload.
Please submit feedback regarding any possible mapping inaccuracies to broadband@illinois.gov.
0 1 2 4 6
miles
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ATHENS
CANTRALL
WILLIAMSVILLE
SHERMAN
PLEASANT PLAINS
SPAULDING
DAWSON
BUFFALO
RIVERTON
GRANDVIEW
CLEAR LAKE
SPRINGFIELD
MECHANICSBURG
LELAND GROVE
JEROME
SOUTHERN VIEW
ROCHESTER
BERLIN
CURRAN
NEW BERLIN
LOAMI
CHATHAM
PAWNEE
DIVERNON
AUBURN
THAYER
VIRDEN
Cass Cty.
Menard Cty.
Sangamon Cty.
Logan Cty.
Macon Cty.
Morgan Cty.
Macoupin Cty.
Montgomery Cty.
Christian Cty.

BROADBAND ADVISORY COUNCIL
WORKING GROUPS

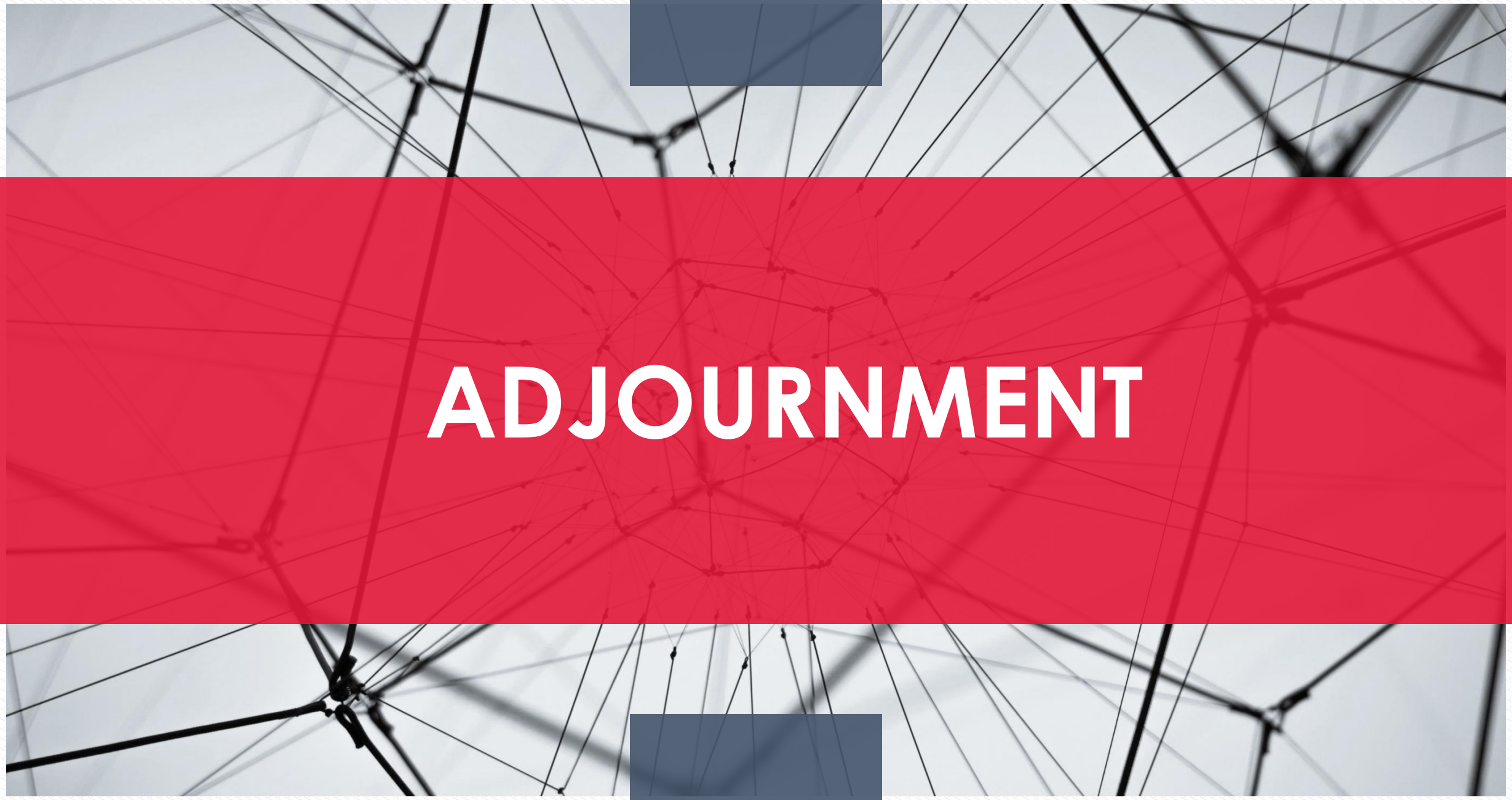
Initial	Proposed
• Access	
• Economic Development	Digital Equity + Inclusion
• Education	Smart Cities
• Technology	Rural Innovation
• Telehealth	

QUESTIONS?

Matt Schmit | Chair
Illinois Broadband Advisory Council
Director | Illinois Office of Broadband
Department of Commerce & Economic Opportunity
broadband@Illinois.gov

NEXT MEETING

WEDNESDAY, DECEMBER 8



ADJOURNMENT